

203.1 - Combustion Calorimetry (powder form)

These SRMs are for use as standards for calibration of combustion bomb calorimeters used in checking the performance of apparatus and analytical procedures.

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PLEASE NOTE: The tables are presented to facilitate comparisons among a family of materials to help customers select the best SRM for their needs. For specific values and uncertainties, the certificate is the only official source.

SRM	39j	1656	1657	2151	2152
Description	Benzoic Acid (Calorimetric Standard)	Thianthrene Combustion Calorimetry	Synthetic Refuse-Derived Fuel	Nicotinic Acid (Combustion Calorimetric Standard)	Urea (Combustion Calorimetric Standard)
Unit of Issue	(30 g)	(30 g)	(100 g)	(25 g)	(25 g)
Heat of Combustion (in MJ/kg)*	26.434	33.480	13.87**	22.184	10.536

* The calorific values (MJ/kg) may decrease upon the aging or normal oxidation of the coals. NIST will continue to monitor these calorific values and report any substantive change to the purchaser.

** Gross calorific value or HHV (Higher Heating Value).